

## WEST Search History

DATE: Sunday, September 15, 2002

| <u>Set Name</u>                  | <u>Query</u>                               | <u>Hit Count</u> | <u>Set Name</u> |
|----------------------------------|--|------------------|-----------------|
| side by side                     |  |                  | result set      |
| <i>DB=USPT; PLUR=YES; OP=ADJ</i> |  |                  |                 |
| L21                              | glume color purple and anther color purple | 1                | L21             |
| L20                              | silk color salmon                          | 0                | L20             |
| L19                              | l5 and anther color purple                 | 1                | L19             |
| L18                              | l5 and glume color purple                  | 0                | L18             |
| L17                              | l15 and glume color purple                 | 0                | L17             |
| L16                              | L15 and silk color salmon                  | 0                | L16             |
| L15                              | brace root color purple                    | 6                | L15             |
| L14                              | shoots at flowering adj5 leafy             | 0                | L14             |
| L13                              | glume ring color adj5 white                | 0                | L13             |
| L12                              | kernel crown color adj5 light yellow       | 1                | L12             |
| L11                              | g3601 and (corn or maize)                  | 0                | L11             |
| L10                              | L9 and l7 and l5 and l2                    | 0                | L10             |
| L9                               | L8 and (corn or maize)                     | 21               | L9              |
| L8                               | anther color adj5 purple                   | 30               | L8              |
| L7                               | L6 and (corn or maize)                     | 3                | L7              |
| L6                               | glume color adj purple                     | 3                | L6              |
| L5                               | L4 and (corn or maize)                     | 14               | L5              |
| L4                               | silk color adj5 salmon                     | 14               | L4              |
| L3                               | l1 and (corn or maize)                     | 23               | L3              |
| L2                               | L1 (corn or maize)                         | 0                | L2              |
| L1                               | brace root adj5 purple                     | 23               | L1              |

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1649axm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

|              |    |        |   |
|--------------|----|--------|---|
| NEWS         | 1  |        | Web Page URLs for STN Seminar Schedule - N. America   |
| NEWS         | 2  | Apr 08 | "Ask CAS" for self-help around the clock  |
| NEWS         | 3  | Apr 09 | BEILSTEIN: Reload and Implementation of a New Subject Area  |
| NEWS         | 4  | Apr 09 | ZDB will be removed from STN  |
| NEWS         | 5  | Apr 19 | US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  |
| NEWS         | 6  | Apr 22 | Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS   |
| NEWS         | 7  | Apr 22 | BIOSIS Gene Names now available in TOXCENTER  |
| NEWS         | 8  | Apr 22 | Federal Research in Progress (FEDRIP) now available   |
| NEWS         | 9  | Jun 03 | New e-mail delivery for search results now available  |
| NEWS         | 10 | Jun 10 | MEDLINE Reload  |
| NEWS         | 11 | Jun 10 | PCTFULL has been reloaded   |
| NEWS         | 12 | Jul 02 | FOREGE no longer contains STANDARDS file segment  |
| NEWS         | 13 | Jul 22 | USAN to be reloaded July 28, 2002;<br>saved answer sets no longer valid   |
| NEWS         | 14 | Jul 29 | Enhanced polymer searching in REGISTRY  |
| NEWS         | 15 | Jul 30 | NETFIRST to be removed from STN   |
| NEWS         | 16 | Aug 08 | CANCERLIT reload  |
| NEWS         | 17 | Aug 08 | PHARMAMarketLetter(PHARMAML) - new on STN   |
| NEWS         | 18 | Aug 08 | NTIS has been reloaded and enhanced   |
| NEWS         | 19 | Aug 19 | Aquatic Toxicity Information Retrieval (AQUIRE)<br>now available on STN   |
| NEWS         | 20 | Aug 19 | IFIPAT, IFICDB, and IFIUDB have been reloaded   |
| NEWS         | 21 | Aug 19 | The MEDLINE file segment of TOXCENTER has been reloaded   |
| NEWS         | 22 | Aug 26 | Sequence searching in REGISTRY enhanced   |
| NEWS         | 23 | Sep 03 | JAPIO has been reloaded and enhanced  |
|              |    |        |   |
| NEWS EXPRESS |    |        | February 1 CURRENT WINDOWS VERSION IS V6.0d,<br>CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP) ,<br>AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002 |
| NEWS HOURS   |    |        | STN Operating Hours Plus Help Desk Availability   |
| NEWS INTER   |    |        | General Internet Information  |
| NEWS LOGIN   |    |        | Welcome Banner and News Items   |
| NEWS PHONE   |    |        | Direct Dial and Telecommunication Network Access to STN   |
| NEWS WWW     |    |        | CAS World Wide Web Site (general information)   |

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:56:12 ON 15 SEP 2002

=> file agricola biosis  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 13:56:22 ON 15 SEP 2002

FILE 'BIOSIS' ENTERED AT 13:56:22 ON 15 SEP 2002  
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

=> s brace root color (10w) purple  
L1 0 BRACE ROOT COLOR (10W) PURPLE

=> s silk color (10w) salmon  
L2 0 SILK COLOR (10W) SALMON

=> s glume color (10w) purple  
L3 0 GLUME COLOR (10W) PURPLE

=> s cob color (10w) white  
L4 1 COB COLOR (10W) WHITE

=> d ti

L4 ANSWER 1 OF 1 AGRICOLA  
TI Inheritance of popping volume and associated characters in crosses between  
popcorn and dent corn.

=> d so

L4 ANSWER 1 OF 1 AGRICOLA  
SO Agronomy journal, May 1949. Vol. 41, No. 5. p. 207-212  
Publisher: Madison, Wis. : American Society of Agronomy, [1949-  
CODEN: AGJOAT; ISSN: 0002-1962

=> d ab

L4 ANSWER 1 OF 1 AGRICOLA  
AB The primary purpose of this study was to transmit by backcrossing lodging  
resistance of dent corn to popcorn. The segregating populations from a  
series of these crosses were used to study popping volume and kernel  
starchiness. From the analysis of the data obtained in this study, the  
following summary and conclusions are made: 1. Low popping volume was  
partially dominant over high popping volume in crosses between inbred  
lines of dent and popcorn. 2. It was necessary to backcross twice to the  
recurrent popcorn parent to recover popping volume equal to that of the  
popcorn parent. A small portion of the BC1 generation exhibited popping  
volumes almost as high as those of the popcorn parent. These data suggest  
that popping volume is sufficiently simple in its mode of inheritance to  
permit recovery of desired genotypes in backcrosses using dent corn as the  
nonrecurrent parent. 3. Some inbred lines of popcorn were superior to  
others in transmitting popping volume and popcorn type ears to their  
progeny. 4. Ear size in the BC2 generation was increased to almost twice  
the average size of the inbred popcorn parent. 5. The dent characteristics  
of the ears (prevalence of soft starch and indentation of the kernel) were  
partially dominant over the flinty character of popcorn. Selection of ears  
with flinty type kernels was effective in reducing starchiness in  
backcross populations to popcorn parent. 6. There was evidence of  
relationship between popping volume and the kernel starchiness as shown by  
significant correlation coefficients in the backcross to the recurrent

popcorn parent. 7. A higher proportion of ears with white cobs was found in the flinty types and a higher proportion with red cobs occurred in the denty types, suggesting an association of starchiness with **cob color**. 8. **White** cob ears with the same degree of kernel starchiness as those with red cobs tended to have higher popping volumes. These data indicate a three-fold relationship between cob color, starchiness, and popping volume and suggest that some genes for popping volume may be on chromosome 1.

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=> s anther color (10W) purple
L5      3 ANTER COLOR (10W) PURPLE

=> s l5 and (corn or maize)
L6      0 L5 AND (CORN OR MAIZE)

=> s glume ring color (10w) white
L7      0 GLUME RING COLOR (10W) WHITE

=> s g3601 and (corn or maize)
L8      0 G3601 AND (CORN OR MAIZE)
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